




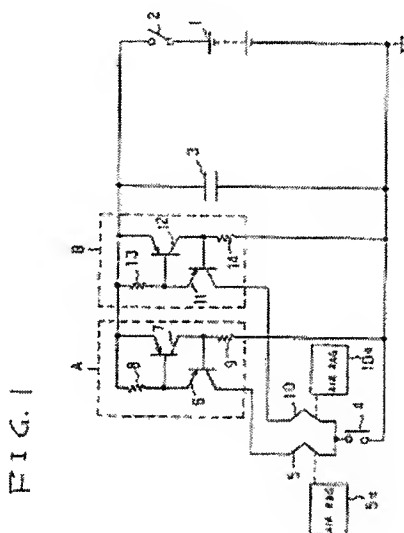


**Vehicle air bag apparatus.****Publication number:** DE69101169 (T2)**Publication date:** 1994-11-17**Inventor(s):** MASEGI MITSUHIKO [JP]; KONDO AKIRA [JP]; MUTOH  
MASAHITO [JP]; FUJITA KOICHI [JP]**Applicant(s):** NIPPON DENSO CO [JP]**Classification:**- **international:** **B60R21/16; B60R21/01; B60R21/16; B60R21/01;** (IPC1-  
7); B60R21/00- **European:** B60R21/017; B60R21/017D**Application number:** DE19916001169T 19910417**Priority number(s):** JP19900102472 19900418**Also published as:** EP0453255 (A1) EP0453255 (B1) US5135254 (A) JP4002544 (A) JP4002544 (A)

Abstract not available for DE 69101169 (T2)

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Air bags are located at different positions within a vehicle. Squibs serve to fire and activate the air bags respectively. An acceleration detecting device is provided in common to the squibs for detecting an acceleration of the vehicle upon a collision of the vehicle and executing a switching operation in response to the detected vehicle acceleration. Constant-current circuits supplied with an electric power from a vehicle battery feed constant electric currents for a firing operation to the squibs respectively in response to the switching operation of the acceleration detecting device. An energy storage device serves to feed a backup electric power to the constant-current circuits when the supply of the electric power from the vehicle battery is cut off.; Each of the constant-current circuits includes a first transistor for feeding an electric current to the related squib, a first resistor for detecting a level of the electric current fed to the squib, a second transistor conducting an electric current with a level which depends on the electric current level detected by the first resistor, and a second resistor for generating a voltage which depends on the electric current conducted by the second transistor in response to the generated voltage.



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